

Revised October 1, 1992

Conference Title:

"Inhibition of Matrix Metalloproteinases: Therapeutic Potential.

Shading = confirmed speaker/attendance/topic

Detailed program

Arrival - Wednesday, January 19, 1994

Welcoming reception - 7:00 PM - 10:00 PM

Day One - Thursday, January 20, 1994

8:30 **Introduction and welcome:** Robert Greenwald

Session A: Overview

Chair: Constance Brinckerhoff

8:45 - **Keynote address: Clinical Importance of MMPs and Inhibitors**
Dr. Stephen Krane, Regius Professor, Harvard

9:15 - **The Family of MMPs** - Fred Woessner, Univ of Miami

9:45 - **Structure-function relations in MMPs** - Harold Van Wart, Syntex

10:15 - 10:45 - break

10:45 - **Regulation of MMP Activity** - Gillian Murphy, Strangeways

11:15 - **Regulation of MMP Expression** - Lynn Matisian, Vanderbilt

11:45 - General discussion

12:00 - 1:20 - lunch break

Session B: TIMP - Mechanisms and Applications
Chair: Gillian Murphy

1:20 - **Induction of TIMP** - Chris Overall, Vancouver
1:40 - **Expression of TIMP** - A.J. Docherty, CellTech, UK
2:00 - **Mechanism of TIMP-MMP Interaction** - MJ Banda, USC
2:20 - **Variants on TIMP and TIMP Activation** - T. Cawston, Cambridge UK
2:40 - 3:10 - break
3:10 - **Dental applications of TIMP** - H Birkedahl-Hansen, Alabama
3:30 - TIMP Localization in Joints - Mike Lark, MSD
3:50 - General discussion

4:45 - 6:45 - POSTER SESSION/Reception (cocktails)
6:45 - adjourn - End of day 1

Day Two - Friday, January 21, 1994

Session C: Tetracyclines - Dental
Chair: Lorne Golub

8:00 - **Review of Tetracycline MMP Inhibition** - Lorne Golub
8:45 - **Salivary/GCF collagenase** - Timo Sorsa, Univ of Helsinki
9:05 - **Clinical experience - adult periodontitis** -
Seb Ciancio, Buffalo
9:25 - **Diagnostic accuracy of collagenase in periodontitis** -
C. McCullough, Toronto
9:45 - **Bone resorption** - Barry Rifkin, NYU Dental School
10:05 - discussion
10:30 - 11:00 break

Session C - Tetracyclines - Medical
Chair: Robert Greenwald

11:00 - **Review of the field - arthritis studies** - R. Greenwald
11:30 - **Osteoarthritis models** - Kenneth Brandt, Univ of Indiana
11:50 - **Application of peptide-based MMP Inhibitors to Corneal Ulceration** - RD Gray, Louisville KY
12:10 - lunch

Session D - MMPs and Inhibitors in Cancer/Metastasis
Chair: James Quigley, Stony Brook

1:15 - **Overview** - James Quigley
1:30 - **TIMP2 in Cancer** - Lance Liotta, NIH
1:50 - **TIMP Inhibition of Metastasis** - Yves DeClerck, Univ So Cal
2:10 - **TIMP in Tumor Progression - a structure-function approach**
- David Denhardt, Rutgers
2:30 - **Anthracycline inhibition of MMPs** - ME Maragoudakis, Greece
2:50 - 3:15 - break
3:15 - **Monitoring Metastasis by Assay of MMPs and MMP-Inhibitor Complexes: Effects of Tetracyclines** - Stan Zucker, Stony Brook
3:45 - **Inhibition of Angiogenesis/Neoplasia by Tetracyclines**
- Henry Brem, Hopkins
4:15 - General discussion
5:00 - dinner break
7:30 - Round Table Discussion -
Design of clinical trials for study of MMP inhibitors
Greenwald, Golub, Krane, Sorsa, Brandt, Brem, Liotta, Docherty, etc.
End of Day 2

Day 3 - Saturday, January 22, 1994

Session E: Selected papers from abstracts
Chair: Robert Greenwald

six 10-minute papers

8:30 - 10:00 AM

10:00 - 10:30 - break

Session F: Other Inhibitors
To be named

10:30 - **Oxidative regulation of neutrophil MMP activity** -
Margret Vissers, Christchurch School of Medicine

10:45 - **α 2-macroglobulin** - Hideaki Nagase, Univ Kansas

11:00 - **Effect of MMPs on elastase inhibitors** - Sandy Simon, Stony Brook

11:15 - **Low molecular weight inhibitors in corneal ulceration**
RE Galardy, Glycomed

11:30 - **Monoclonal antibodies to human 92kDa gelatinase** -
Deborah French, Stony Brook

11:45 - **Retinoids** - Constance Brinckerhoff, Dartmouth

12:00 - General discussion

12:45 - adjourn - end of conference

7:00 PM [optional] - end of conference banquet